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(54) Title: COOLING CIRCUIT OF AN INTERNAL COMBUSTION ENGINE COMPRISING A LOW-TEMPERATURE RADIATOR

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(54) Bezeichnung: KÜHLKREISLAUF EINER BRENNKRAFTMASCHINE MIT NIEDERTEMPEARTURKÜHLER

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(57) Abstract: The invention relates to a cooling circuit of an internal combustion engine of motor vehicles, comprising a main cooling circuit that encompasses a section located upstream of the radiator, a main radiator, a radiator return path, a coolant pump, a main thermostat, and a bypass or short circuit which is disposed between the main thermostat and the coolant pump. Said cooling circuit further comprises a low-temperature circuit encompassing a low-temperature radiator, a low-temperature radiator return path, a valve unit, and an additional heat exchanger.

(57) Zusammenfassung: Die Erfindung betrifft einen Kühlkreislauf einer Brennkraftmaschine von Kraftfahrzeugen mit einem Hauptkühlkreislauf, bestehend aus einem Kühlervorlauf, einem Hauptkühler, einem Kühlerrücklauf, einer Kühlmittelpumpe, einem Hauptthermostaten sowie einem Bypass bzw. Kurzschluss zwischen Hauptthermostat und Kühlmittelpumpe, und einem Niedertemperaturkreis, bestehend aus einem Niedertemperaturkühler, einem Niedertemperaturkühlerücklauf, einer Ventileinheit und einem Zusatzwärmelübertrager.